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# Sacramento Metropolitan Fire District

## Community Risk Reduction Division

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## CELLULOSE NITRATE FILM CHECKLIST

California Fire Code Chapter 3

### Scope

An operational permit is required to store, handle or use cellulose nitrate film in a Group A occupancy.

### Conditions:

- ☐ Projection room is provided where ribbon type cellulose nitrate film is used.
- ☐ Projection room is 7ft 6in in height and 80 square foot for single machine and 40 square foot for each additional machine.
- ☐ Openings in wall between projection room and auditorium do not exceed 25%.
- ☐ 30 inch by 30 inch equipment clearance at projection room is provided.
- ☐ Lamp exhaust system interlocks are provided and maintained.
- ☐ Each machine is equipped with exhaust duct and duct terminates at building exterior.
- ☐ Auditorium and egress lighting controls are provided at projection room and other convenient location.
- ☐ 25 lb, 5 standard rolls not exceeding 750 lbs or 150 standard rolls of film is stored in Underwriter's Laboratory (UL) listed and approved cabinet or vault.
- ☐ More than 750 lbs or 150 standard rolls of film is stored in vault.
- ☐ Storage cabinets do not exceed 375 lbs or 75 standard rolls of film.
- ☐ Fire suppression system is installed, tested and maintained at cabinets of more than 75 lbs or 15 standard rolls of film.
- ☐ Film cans in cabinet stored on edge are not more than 25 per shelf and not more than 5 cans high or 3 stacks per shelf.
- ☐ Vault 4-hour rated construction and 3-hour self-closing door(s) is provided and maintained.
- ☐ Vault temperature control and ventilation is provided and maintained.
- ☐ Vault vents terminate above the roof and 50 feet or more horizontally from windows or openings.

- ☐ Rack in film vault is of noncombustible, insulating material.
- ☐ Rack in film vault is provided vertical, noncombustible barriers separating rack into 3 foot sections and shelf is 1 inch or more larger than film can.
- ☐ Fire suppression, detection and alarm system is installed, tested and maintained at film vault.
- ☐ Class I, Group D light fixtures are provided and maintained at film vault.
- ☐ Extended term storage cabinet compartments are separated by noncombustible, insulating material separating each 2,000 feet of film.
- ☐ Fire suppression system is installed, tested and maintained at extended term storage cabinets of more than 51 lbs of film.
- ☐ Ventilation to building exterior is provided at extended term storage cabinets of more than 51 lbs film.
- ☐ Extended term storage vault does not exceed 1,000 ft<sup>3</sup>.
- ☐ Film at extended term film storage vault is located on noncombustible, insulating shelf with vertical, noncombustible, insulating barrier separating each 2 containers.
- ☐ 4A:80B:C rated fire extinguisher(s) is provided and travel distance does not exceed 50-feet.

Additional Requirements may apply